

c, c/d 2701, BJ

USSR/Electricity - Dielectrics

G-2

Abs Jour

: Ref Zhur - Fizika, No 1, 1958, 1263

Author

: Soldatov, B.I.

Inst

: Odessa University, Odessa

Title

: Dielectric Constant of Certain Tyxotropic Systems

Orig Pub

: Pratsi Odes'k. un-tu. tr. Odessk. un-ta, 1956, 146, 3b.

stud. robit, St. stud. rabot, No 4, 161-165

Abstract

: An attempt is made to determine the dielectric properties of the bound liquid in various tyxotropic systems: mercaptobenzo-tiazol-nitrobenzol (I), mercaptobenzo-tiazol -- benzol (II), Glass -- nitrobenzol (III), glass -- benzol (IV). The measurement of the dielectric constant ( ) was made with a "dielecometer" operating on the beat principle. The zero-beat indicator was a high sensitive optical EM-1 indicator. To increase the instrument

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Abs Jour : Ref Zhur - Fizika, No 1, 1958, 1263

accuracy, a quartz stabilizer was used in the tuned circuit of the constant frequency oscillator. At a capacity of 50 micromicrofarad, the measurement error was 0.020. It turned out that after the damage to the structure in system I, the value of a increased and with time returned to the initial value. The course of variation of

lagged substantially the change in effective viscosity of the system. For system II, there was no change in . The values of . of systems III and IV were measured at a frequency of 4.7 x 10<sup>6</sup> cycles. The experimentally-obtained values are greater than the theoretical ones for system III, and are within in the experimental error for system IV.

Card 2/2

SOV/124-57-8-9819

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 8, p 168 (USSR)

Ovchinnikova, Ye. N., Popovskiy, Yu. M., Soldatov, B. I. AUTHORS:

An Instrument for the Determination of the Elastic-plastic Properties TITLE:

of Disperse Systems (Pribor dlya opredeleniya uprugo plasticheskikh

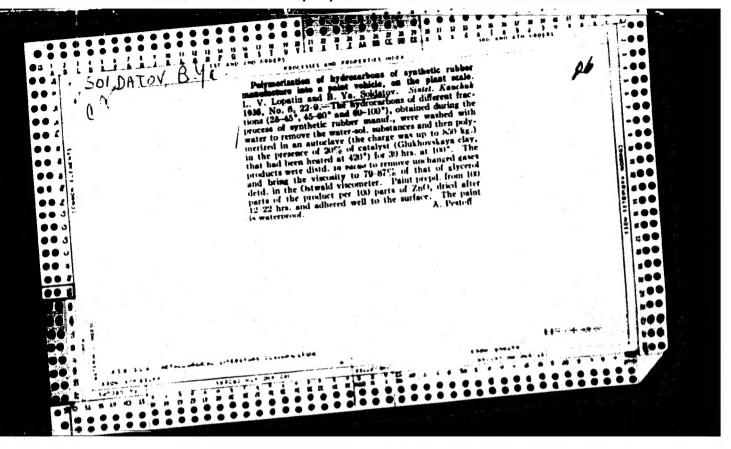
svoystv dispersnykh sistem)

PERIODICAL: Tr. Odessk. un-ta, 1956, Vol 146, ser. khim. n., Nr 5, pp 121-123

Bibliographic entry ABSTRACT:

Card 1/1

USCOMM-DC-50,657



507/64-55-7-5/18 Pushir, A. F., Belestiv, B. Ya., 9(3),5(1) AUTHORS: Tyuryayev, I. Yo., Troitskaya, I. M., Surita, F. S. The Dehydrogenation of n-Butane on a Semiiniustrial Flant With Movable Spherical Catalyst (Desidrirovaniye n-butana na polupromyshlennov ustanovke s dvizhushchizsya sharikovyz TICLE: katalicatorom) Khimicheskaya promyshlennosti, 1958, Nr 7. pp 406-409 (USSA) PERIODICAL: This type of dehydrogenation was proposed by the Giprokauchuk. In the beginning of the investigations I. L. Fridshteyn ABSTRACT: The investigation results of the dehydrogenation of n-butane to butylene (first stage of the two-stage method of producing the divinyl) as well as of the Gehydrogenation of other paraffin hydrocarbons (propane, isobutano, isopentane) are given. The investigations were carried out in the tube reactor with immovable catalyst and an indirect heat supply (of smoke gases) as well as in the system with movable spherical catalyst with the circulating catalyst acting as heat transfer. The second technique was found to be more favorable and the single disadvantage is mentioned that the circulating granulated catalyst must have a higher Card 1/2

A CONTRACTOR OF THE PROPERTY O

The Dehydrogenation of n-Habane on a Semiinstrial Plant With Movable Spherical Catalyst

SOV/64-58-7-5/16

mechanical strength. Experiments with bucket, preumatic and automatic tray elevators showed that for transporting K-3 and M-5 cabalysts automatic tray elevators are best. The reactor and the service of the grane tor the plant were produced from MC BOWN and . The best regulars were obtained in the system The mate of passage of tuture 170-190 normal-m per 1 m rubalyst per nour (temperature of butane 2000); rate of physulation of the catalyst 8.5 kg/1 kg butane; temperature of the cabalyst 613-620°; temperature of the contact gas prior to this entrance into the reactor 590-500°. The experiments carried out for the dehydrogenation of memans, isobutane and isopentant on the plant described with the cabalyst K-5 were parried out Friending particulating in some of them. The T. 2. ... experimental results are given in a table and show that high prolies of the corresponding elefins can be obtained. There are 3 figures, 2 tables, and 5 Soviet references.

Card 2/2

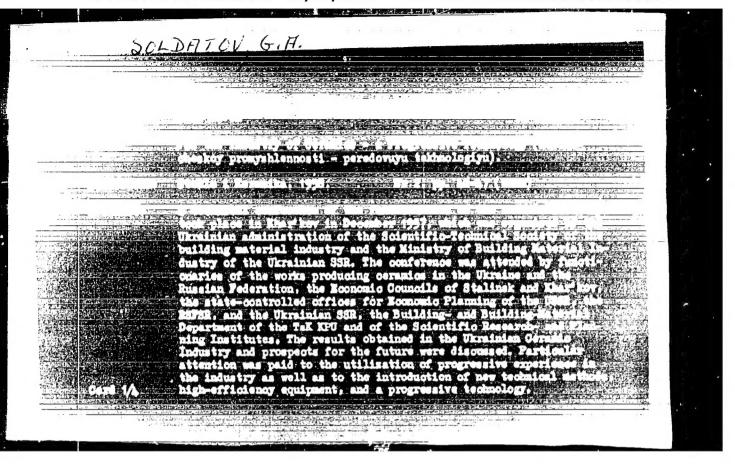
SOLDATOV, Dmitriy Nikanorovich; KOLODYAZHNA, G.I. [Kolodiazhna, H.I.],
red.; LIMANOVA, M.I., tekhn.red.

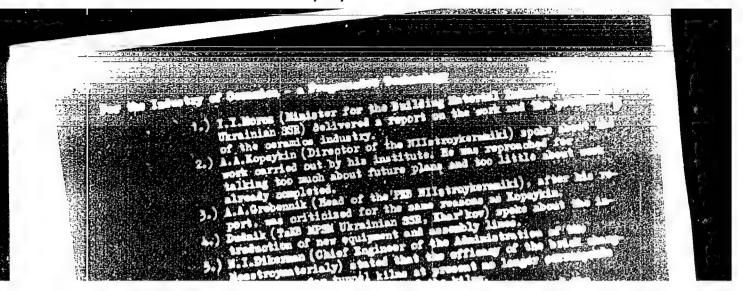
[Brigades of communist labor] Bryhady komunistychnoi pratsi.
Kharkiv, Kharkivs'ke knyshkove vyd-vo. 1959. 22 p.

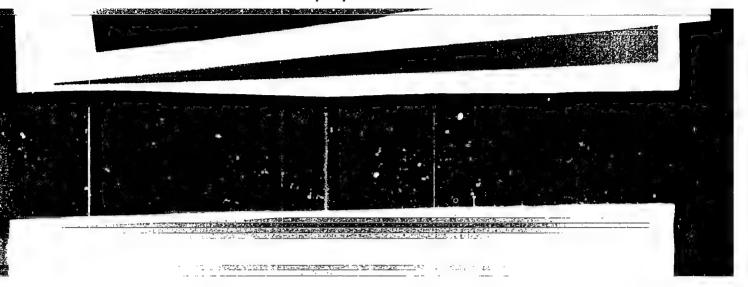
(MIRA 13:4)

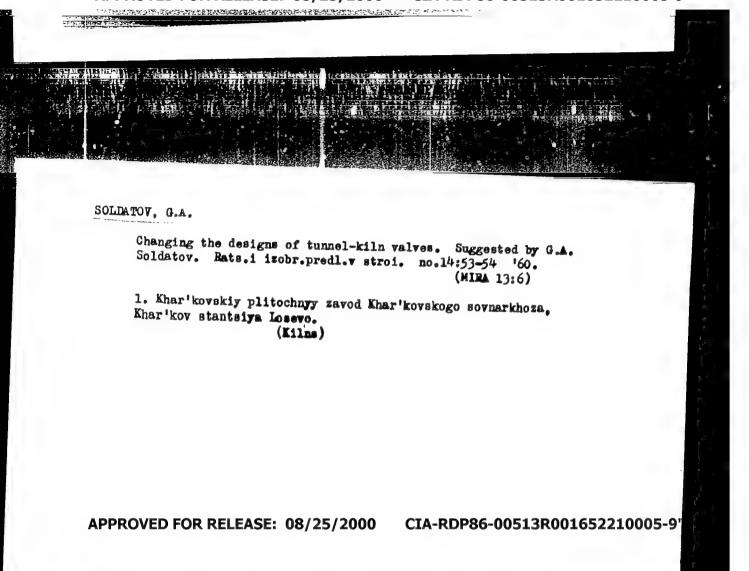
1. Sekretar komitetu komsomolu zavodu "Serp i molot" (for Soldatov).

(Efficiency, Industrial)









SOLDATOV, G.A.; GUBRITENKO, A.A.; GRISHIN, I.N.

Company of the Compan

Machine for cleaning columns and tiles used in kilning coramic products. Suggested by G.A. Soldatov, A.A. Gubrienko, I.M. Grishin. Rats. i izobr. predl. v stroi. no.16:49-50 '60. (MIRA 13:9)

1. Plitochnyy zavod Khar'kovskogo sovnarkhoza, Khar'kov, stantsiya Losevo.

(Ceramic industries--Equipment and supplies)

ZAKHARIKCV, N.A.; NAYDENOV, V.V.; BLOKH, S.A.; SOLDATOV, G.A.; LEVITSKIY, V.K.; KUZNETSOV, V.V.; SPEKTOR, M.P.

Radiation gas drying of structural ceramic products. Stek. 1 (MIRA 15:7)

(Tiles-Drying)

GOLDATOV, G.A.; LEVITSKIY, V.K.; KUZNETSOV, V.V.; SPEKTOR, M.P.; POKUTNYY, N.P.; KHAINSON, A.M.

Gas radiation dryers. Stek.i ker. 21 no.12:26 D \*64. (MIRA 18:3)

SOLDATOV, G.A.; LEVITSKIY, V.K.; KHAINSON, A.M.; KUZNETSOV, V.V.; SPEKTOR, M.P.

Brying of mettlach tiles in radiation driers. Stek. i ker. 22
no.3133-35 Mr '65.

(MIRA 18:10)

demanded, 1.W., Jenne; hoster, c.Va., near, tenna, mark; liview, e.L., kander of a rank; Substant, v.A., inthe; Jectin, N.F., insh.

Ventrifugal mill for the grimling of clay materials. Stek. 1 ker.
22 no.7127-30 St 165. (Mild 18.9)

1. Khar kovskiy politekhnicheskiy institut ineni lenina (for Aleksyuk, K mirr, Sobolev). 2. Khar kovskiy plitochnyy zaved (for Soldatov, Cerokin).

The first of the facts and first in the first of the firs

Assembly line for the manufacture of shaped objects. Stek. i ker. 22 no.12:33-35 D '65. (MIRA 18:12)

1. Khar kovskiy plitochnyy zavod.

SCIENTON, O. V., VAVIOVA, V. I.

"Zeological and canasitelesical observations in the focus of the tick-borne encerhalitis of the Transcarpathian oblast." Fage 88

Desvatove soveshchaniye po parazitologicheskim problemam i prirodnoochagovym boleznyam. 22-29 Oktyabrya 1059 g. (Tenth Conference on Farasitological Problems and Diseases with Natural Foci 22-29 October 1059), Moscow-Leningrad, 1059, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254pp.

ESKIN, V.A.; KR:MINSKAYA, N.N.; IZOTOV, P.V.; SOLDATOV, G.M.

Leptospirosis in muskrats in the Maritime Territory. Soob.DV7AN (MIRA 13:11)

1.73-va virusologicheskaya laboratoriya Dal'nevostochnoy oblasti. (Paritime Territory—Muskrats—Diseases and pests)
(Leptospira)

SOTHIKOVA, A.N.; SOLDATOV, G.M.

Isolation of the tick-borne encephalitis virus from the grosteak Eophona personata magnirostris Hart. Dokl. Irk. gos. nauch.-issl. protivochum. inst. no.5:28-29 \*63 (MIRA 18:1)

Case of isolation of the neurovirus from chiggers. Tbid.:30

Epidemiological significance of various species of field rodents in the foci of Far East hemorrhagic infectious nephrosomephritis.

Trudy VladIFMG no.2:85-87 '62. (MTRA 18:7)

MIRCTVORTSFV Yn.I., NECHAYEVA, N.N., SOLDATOV, G.M.

Results of controlling firld rodents in the Maritime Territory using poisoned baits. Trudy VladiEMG no.2:126-129 '67.

(MIRA 18-3)

1. 1z Primorskoy krayevoy protivochumnoy stantsii.

SOTNIKOVA, A.N.; SOLDATOV, G.M.

Isolation of the virus of tick-borne encephalitis from the flea Ceratophyllus tamias wagn. Med. paraz. i paraz. bol. 33 no.5:622-624 S-0 64. (MIRA 18:4)

1. Primorskaya krayevaya protivochumnaya stantsiya, Ussuriysk.

SOTNIKOVA, A.N.; SOLDATOV, G.M.

Isolation of tick-borne encephalitis virus in jays. Med. paraz. i paraz. bol. 34 no.1:114-115 Ja-F '65.

(MIRA 18:8)

1. Primorskaya krayevaya protivochumnaya stantsiya, Ussuriysk.

SOMOV, G.P.: SOCDARDV, G.M.

Role of birds in circulating the pathogen of tick typhus fever in nature. Zhur. mikrobiol., epid. i immun. 41 no.1:126-129
Ja '64.

1. Vladivostokskiy institut epidemiologii, mikrobiologii i gigiyeny i Primorskaya krayevaya protivochumnaya stantsiya.

SULDATION I A

PHASE I BOOK EXPLOITATION

SOV/4518

CARLO SALES TELESCOPERATE OF A CONTROL OF A SALES ASSESSED.

- Edkly Aleksandr Danilovich, Candidate of Technical Sciences, and Ivan Andreyevich Soldatov
- Feredatchiki radiotekhnicheskikh sredstv (Radio Transmitters)
  Moscow, Voyenizdat, 1960. 367 p. No. of copies printed not
  given.
- Ed.: V. L. Sterligov, Engineer, Major; Tech. Ed.: N. V. Sribnis.
- PURPOSE: This is a textbook intended for students in higher military engineering schools and can also be used by those studying the theory of transmitting systems in schools of higher education.
- COVERAGE: The textbook sets forth the fundamentals of the theory of transmitting systems, the principles of circuit design, and the elements of their computation, with special emphasis on radar systems. A. D. Dikiy wrote the introduction and Chapters I, VI, VII, VIII, IX, and XI; I. A. Soldatov wrote Chapters II, III, IV, V, and VII; Chapter X was written by I. Ye. Khvatovker,

Card 1/7

ACCESSION NR: AP4019006

5/0146/64/007/001/0156/0160

AUTHOR: Soldatov, I. A.

TITLE: Engineering calculation of the electrical operating conditions of new

transmitting tubes

SOURCE: IVUZ. Priborostroyeniye, v. 7, no. 1, 1964, 156-160

TOPIC TAGS: electron tube, transmitting tube, transmitting triode, transmitting tetrode, transmitting pentode, transmitting tube operating conditions

ABSTRACT: Since modern transmitting tubes have fan-shaped anode and grid static characteristics, the classical methods of designing tube operating modes have become inapplicable. Among the newer methods available, the author's method is distinguished by the fact that not static but dynamic tube characteristics are approximated by straight-line segments. Any dynamic characteristic can be drawn through a few points selected on the static characteristics. A graph

Card 1/2

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ACCESSION NR: AP4019006

serves to illustrate the determination of two such points, the zero and the maximum (bending over) points. Next, the optimum cutoff angle and maximum transconductance can be determined from a simple formula. The grid-current dynamic characteristic can also be approximated by a straight line. Orig. art. has: 2 figures and 9 formulas.

ASSOCIATION: Leningradskiy institut tochnoy mekhaniki i optiki (Leningrad Institute of Fine Mechanics and Optics)

SUBMITTED: 14Mar63

DATE ACQ: 23Mar64

ENCL: 00

SUB CODE: GE

NO REF SOV: 004

OTHER: 000

Card 2/2

SOLDATOV, 1.A.

Engineering calculation of electric conditions of new orcillator tubes. Izv. vys. ucheb. zav.; prib. 7 no.1: 156-160 '64. (MIRA 17:9)

Alexander of the second state of the second second

1. Leningradskiy institut tochnoy mekhaniki i optiki. Rekomendovana kafedroy radiopriyemnykh i radioperedayushchikh ustroystv.

the angle of the property of the second seco

Soldatov, I.B. "Certain data on the architectonic reflex nerves", Trudy Voyen.-mor. med. akad. Vol. XI, 1248, p. 124-30, - Bibliog: 16 items.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 9, 1949)

SCLDATCV, I. B.

Otorhinolaryngology

N. P. Simanovskiy, the father of Russian otorhinolaryngology. Reviewed by N. M. Aspisov. Vest. oto-rin. 14 no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 19532 Unclassified.

SOLDATOV, I.B., kandidat meditsinskikh nsuk (Leningrad).

Neural apparatus of the palatine tonsils. Vest.oto-rin. 15 no.6:
47-52 N-D \*53.

(MLRA 7:1)
(Tonsils)

Author of article, "The Morehology of the Mervous Apparetus of the Pharyngeol Tonsils of a Euron." (Brulleten' Ekspartmental nov Biolechi i Meditsiny)

50: Sum. Mo. 186, 10 May 1955

Professor Roman Andreevich Zasosov. Vest.oto-rin 17 no.2:86-87 Mr-Ap '55.

1. Po porucheniyu kellektiva setrudnikev.
(BIOGRAPHIES,
Zasosov, Roman A.)

ZASOSOV, R.A., professor (Leningrad); SOLDATOV, I.B., kandidat meditsinskikh nauk (Leningrad)

Neural apparatus of the lymphoid ring and its role in angines. Klin. med. 34 no.6:40-46 Je 156. (MIRA 9:10)

1. Iz kafedry oto-rino-laringologii Voyenno morskoy meditsinskoy akademii. (TOMSILS, immervation, physiol. & pathol. aspects (Rus))

market to the transfer of the state of the s

AUTHOR

Soldatov, I.B.

20-4-48/60

L. St. Library

TITLE

The Condition of Nerve Elements in Lymphadenoid Tissue in the Case of Acute Radiation Disease. (Sostoyaniye nervnykh elementov v lime fadenoidnoy tkani pri ostroy luchevoy bolezni).

PERIODICAL

Dokhady Akademii Nauk, 1957, Vol. 115, Nr 4, pp. 803 - 805 (USSR.).

ABSTRACT

The results of a series of recent investigations more and more refute the long existing opinion of a very low radio sensitivity of the nerve system. On the occasion of irradiation not only functional but also structural changes in the central as well as in the peripheral nerve system could be observed. Interesting observations on the influence of an ionizing radiation on the structure of the nerve apparatus of the heart and of other internal organs were made. The problem of t the elements mentioned in the title which react especially early to the penetrating rays remains uninvestigated. In the present publication the results of the study of the mentioned elements are given. 20 grown= up cats were subjected to a single exterior x-ray irradiation of a dose of 700 g which in the case of all dogs caused a severe form of radiation disease. The aspects of the disease as well as its development are described. In all cases a complete histological examination (maematoxyline-cosine-colouring) of the adenoids, the "mesentery-lymphnodes", and of the spleen was carried out. Distrophical necrotic changes were observed which charakterize the acute radiation disease. Next to nerve elements of normal structure pathologically changed nerve

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20-4-48/60

The Condition of Nerve Elements in Lymphadenoid Tissue in the Case of Acute Radiation Disease.

elements were found. They were richly present in animals which died lo - lh days after the irradiation. These changes frequently produced reversible reactive symptoms typical of the early stage of the degeneration process in a periaxonal segment injury, increase of the number of the Elmholz corpuscules in the nerve bundles a coarse impregnation, "varicosity" and thinning of the nerve fibres (fig. 1 and 2). A further very detailed description of the changes follows. Thus, structural changes of different degrees were lawfully observed in the case of acute radiation disease in the nerve apparatus of the adenoids, the mesentery-lymph-modes and the spleen. They must be considered in hospital practice. Since they cause a pathologic impulsation from the periarbery to the centre they may favour a contortion of a series of reflexes. (There are 4 figures, 13 Slavic references).

ASSOCIATION

Academy for Military Medicine "S.M.Kirov". (Voyenno-meditsinskaya

akademiya i.S.M.Kirova).

PRESENTED

By N.N. Anichkov, Academician, May 16, 1957

SUBMITTED

May 14, 1957.

AVAILABLE

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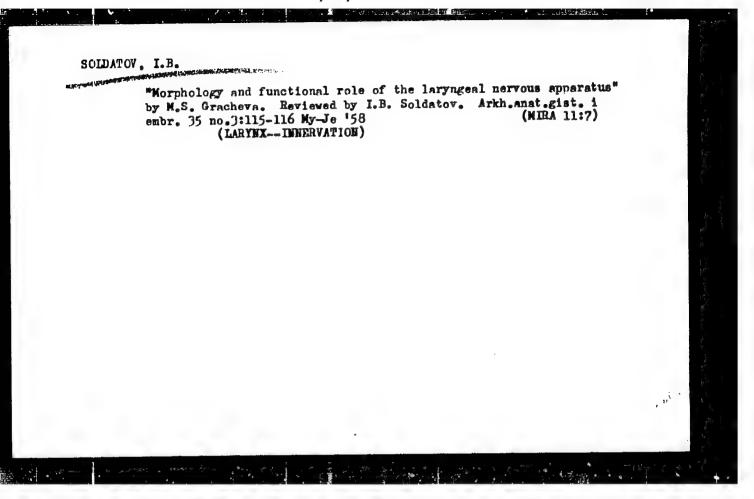
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SOLIMATON, I.B. (Leningrad, F-125, Pr. Rumskogo-Korsakova, d.41, kv.16)

Heural apparatus of the lymphoid ring in humans during puberty
[with aummary in English]. Arkh.anat.gist. i embr. 35 no.1:34-41
Jn-F'58.

1. Iz kafedry otorinolaringologii (nach. - prof. R.A.Zasosov) i
normal'noy anatomii (nach. - prof. V.M.Godinov) Voyenno-morskoy
meditainskoy akademii.

(IMMHOID TISSUE, innervation,
lymphoid ring neural appar. during puberty (Rus))

(PUBERTY, physiology,
lymphoid ring neural changes (Rus))
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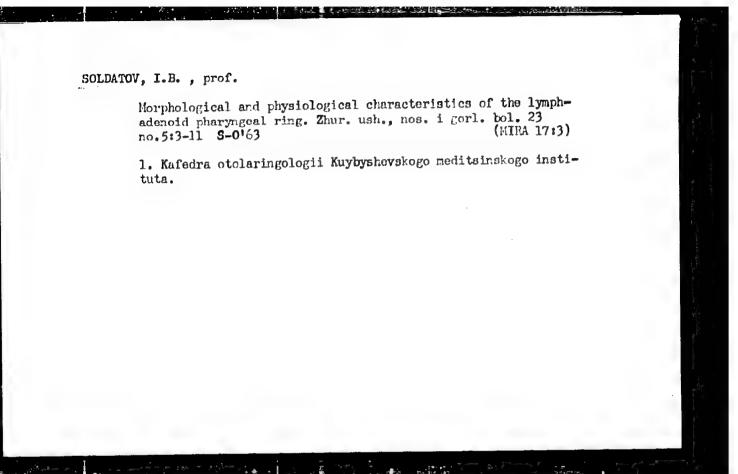


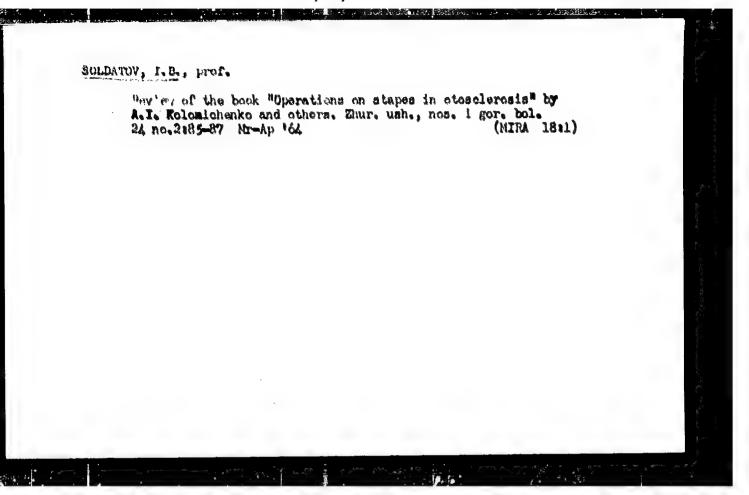
SOLDATOV, I.B., doktor med.nauk

Neural apparatus of the tonsils in experimental radiation sickness. Zhur. ush., nos. i gorl. bol. 21 no.5:17-23 S-0 '61. (MIRA 15:1)

l. Iz kafedry otorinolaringologii (nachal'nik - zasluzhennyy deyatel' nauki prof. K.L.Khilov) i kafedry nervnykh bolezney (nachal'nik - prof. S.I.Karchikyan) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.

(RADIATION SICKNESS) (TONSILS\_INNERVATION)





DEYUBA, M.Ye., red.; POTEKHIM, M.M., red.; AFAMAS'YEV, N.Ye., red.;
KOMOV, V.Ye., red.; SOLDATOV, I.I., red.; MEMITOV, V., tekhn.red.

[Forty years; development of the economy and culture of Orlov
Province] Ze sorok let; materialy o rezvitit ekonomiki i kul'tury
Orlovskoi oblasti. Orel, Izd-vo "Orlovskaie pravda," 1957. 291 p.

(Orlov Province--Economic conditions)

(Orlov Province--Economic conditions)

ANGEL'YEV, D.D.; BORISENKO, N.P.; UL'YANKIN, I.P.; SOLDATOV, I.N.;

TER-DANIYELYAN, V.M.; GREBTSOV, P.P., red.; SOKOLOVA, N.N.,

tekhn. red.

[Overl-all mechanization on the "Gigant" State Farm]Kompleksnaia mekhanizatsiia v sovkhoze "Gigant." [By]D.D.Angal'ev.

Moskva, Sel'khozizdat, 1962. 171 p. (MIRA 16:3)

1. Direktor sovkhoza "Gigant" Rostovskoy oblasti (for Angel'yev).

2. Starshiye nauchnyye sotrudniki Severo-Kavkazskogo filiala

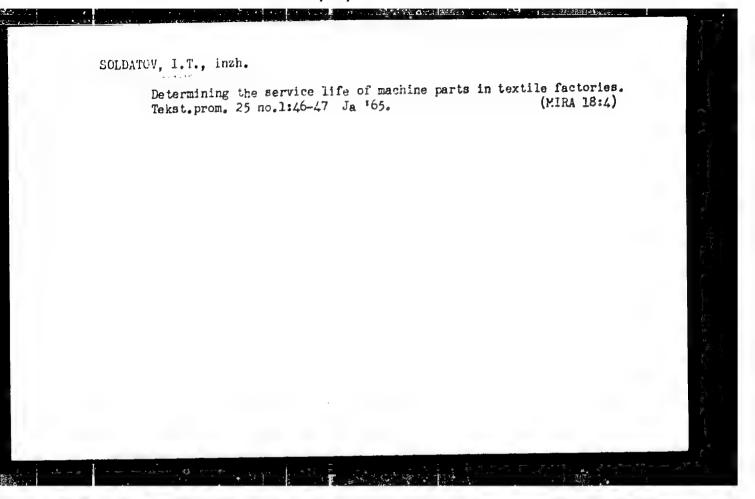
Vsesoyuşnogo nauchno-isəledovatel'skogo instituta ekonomiki sel'skogo khozyaystva (for Ul'yankin, Ter-Daniyelyan).

(Farm mechanization)

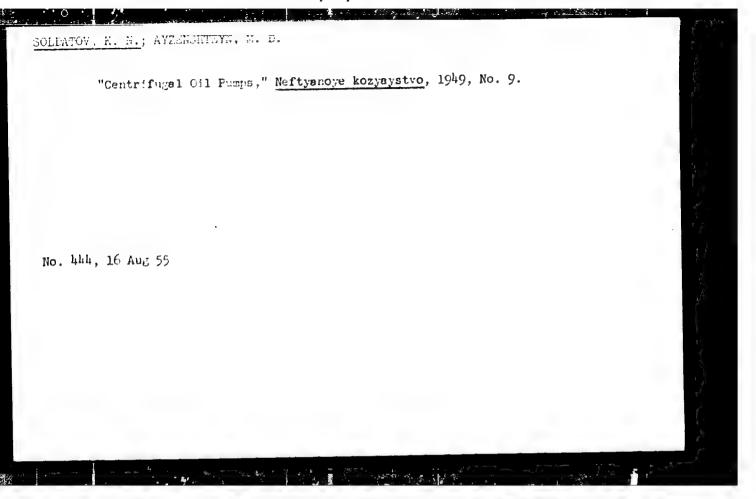
Assembly-Line Methods

Conveyor assembly in limited quantity production. Mekh. trud. rab. 6, No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1952 1953, Uncl



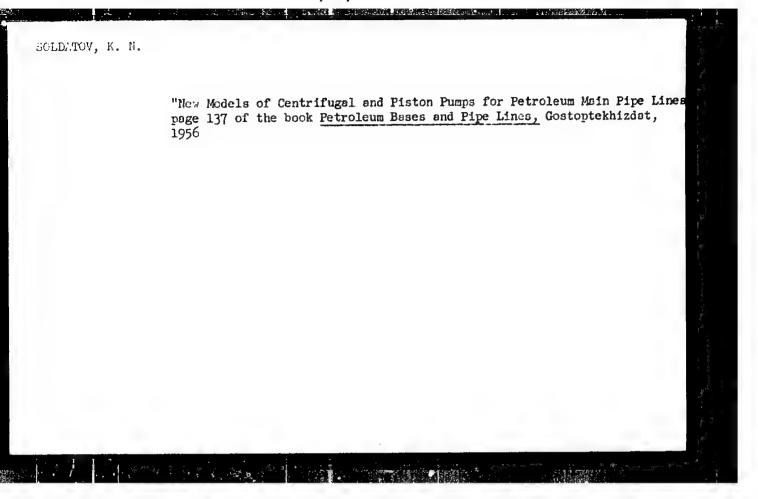
# Neural apparatus of the palatine tonsils. Vest. orinolar. Moskva 15 no.E:47-52 Sev.-Dec. 1953. (CLML 25:5) 1. Candidate Medical Sciences. 2. Leningrad.



"Centrifugal Oil Pumps," in the book: Novosti neftpanoy tekhniki

New Develorments in Petroleum Technology , Pamphlet No. 4, Moscow-Leningrad, 1951.

No. 444, 16 Aug 55



Soldaton Kill

Soldatov, K.N., Engineer

28-3-6/33

AUTHOR:

TITLE:

Normalization of Centrifugal Petroleum Pumps (Normalizatsiya tsentrobezhnykh neftyan; nasosov)

PERIODICAL:

Standartizatsiya, 1957, # 3, May-June, p 31-35 (USSR)

ABSTRACT:

The article contains a brief review of the general state of petroleum pump production in the USSR and gives detailed information on their design and present state of normalization. There was no Soviet production of centrifugal petroleum pumps before 1948, - the oil industry worked with more than 100 types and sizes of imported pumps. In 1948, Giproneftemash worked out a centrifugal pump series for the refining industry's use. Then, in 1950, they developed the unified-normal series (normal')"H 521-50". From 40 established "type-sizes" of this series, 35 were being produced up to 1957, when the development of the oil industry in the sixth 5-year plan required revision. The new "normal" "H 521-57" (developed in 1957) 1957) is based on a new series which is shown in diagram (Fig. 1). The pump types HK, H and HД (for temperatures up to 200 C) and HΓK, HΓ and HΓД (for 200-400 C) for low, me 'C) for low, medium and high pressure, with up to 8 stages (wheels) in one housing are mentiomed. The design features are briefly de-

Card 1/2

Normalization of Centrifugal Petroleum Pumps

28-3-6/33

scribed. One pump of cantilever design and two normalized bearings are shown by drawings. The normalized parts and components of the pump series are listed and partly described. For selection of metals for various work conditions, a manual ("Rukovodyashchiye ukazaniya") is recommended. At the present time, the Soviet oil industry has 15 basic "type-sizes" of Soviet-made special electric pump-drive motors of 5 to 125 KW and 4 "type-sizes" of steam-turbines of 40 to 750 hp and 1500 to 3300 rpm. An extensive catalogue for normalized centrifugal petroleum pumps, which will serve for wide circles of engineers and designers is under preparation.

There are 4 figures, no references.

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ASSOCIATION:

Giproneftemash

AVAILABLE:

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Card 2/2

And the Market , No. - Photo and he William

"Experiment to Classify by Type and Standardize Centrifugal Oil Pumps of a Normal Series," Materials for the Second [Dec 1956] and Third [May 1957] Conferences on Standardization and Normalization in Machine Building, Moscov, Standartgiz, 1958

Coverage: The book contains abbreviated versions of lectures given during the 2nd and 3rd Scientific Methodology Conferences held in December 1956 and May 1957 respectively.

SUMMER IN

14(5)

PHASE I BOOK EXPLOITATION

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A TEMPORAL A LANGUAGE STATE OF THE PARTY OF

Kompressory i nasosy; t.1 (Compressors and Pumps; Vol 1) Moscow, Gostoptekhizdat, 1958. 234 p. (Series: Neftyanoye oborudovaniye, t. 1) 9,500 copies printed.

Eds.: V. A. Get'ye, V. I. Yelin, and K. N. Soldatov; Executive Ed.: K. P. Svyatitskaya; Tech. Ed.: A. V. Trofimov.

PURPOSE: This book is intended to familiarize petroleum industry personnel with the design, technical characteristics, erection, and use of equipment.

COVERAGE: This book, the first of six volumes dealing with equipment used in the petroleum industry, describes compressors and pumps. The book is presented in the form of a catalog and reference manual. Electric and gas-driven air and gas compressors and reciprocating and centrifugal pumps are included. The rollowing personalities are mentioned: A. S. Arakelov, V. A. Borisov, I. I. Gal'perin, A. G. Gurevich, G. T. Dovzhuk, R. N. Parshin, S. M. Sokolovskiy, V. L. Selikhov, D. L. Shifrin, and M. V. Etkin. There are no references.

TABLE OF CONTENTS:

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25(2)

PHASE I BOOK EXPLOITATION

SOV/1227

Yelin, Vladimir Ivanovich, Soldatov, Konstantin Nikitich, and Sokolovskiy, Solomon Moiseyevich

Nasosy i kompressory (Pumps and Compressors) Moscow, Gostoptekhizdat, 1958. 371 p. 10,000 copies printed.

Executive Ed.: Svyatitskaya, K.P.; Tech. Ed.: Polosina, A.S.

PURPOSE: This book is intended as a textbook for students of petroleum tekhnikums and may also be useful as a practical manual for engineers and technicians in the petroleum industry.

COVERAGE: The book covers fundamental theory and basic principles of the design and operation of pumps, compressors, and fans, and describes various types of these machines used in petroleum industry. Basic rules for operation, maintenance, and repair are presented. Chapters I-VI were written by V.I. Yelin,

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Pumps and Compressors

SOV/1227

Chs. VII-XIX by K.N. Soldatov', and Chs. XX-XXXI by S.M. Sokolovskiy. The following Soviet scientists and organizations and their fields of contribution are mentioned: V.G. Shukov, P.K. Khudyakov, I.I. Kukulevskiy, L.S. Leybenzon, and A.A. Get'ye - development of piston pumps; N. Ye. Zhukovskiy and S.A. Chaplygin - principles of impeller-blade theory; I.I. Kukolevskiy, I.G. Yes'man, G.F. Proskura, and A.A. Burdakov - improvement and application of centrifugal pumps; Scientific-Research Institute for Petroleum Machinery), OKB (Special Design Bureau) on pistonless pumps, and Giproazneft' (State Institute for Design and Planning of the Azerbaydzhan Petroleum Industry), and machine building plants: "Borets", (first to build pumps and compressors for the petroleum industry), "Krasnyy molot," and plant imeni. Montin quipping the USSR petroleum industry with domestic pumps. There are 13 references, all Soviet.

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TABLE OF CONTENTS:

PART I. PUMPS

General Information Card 2/15

3

YELIN, Vladimir Ivanovich [deceased]; SOLDATOV, Konstantin Mikitich;
SOKOLOVSKIY, Solomon Moiseyevich; SVYATITSKAYA, K.P., vedushchiy
red.; FEDOTOVA, I.G., tekhn.red.

[Pumps and compressors] Masosy i kompressory. Isd.2., perer.
i dop. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi
lit-ry, 1960. 398 p.

(Pumping machinery) (Compressors)

(Pumping machinery)

ABAKUMOVSKIY, D.D.; ANASTAS'IN, V.F.; RATS, P.Ye.; SOKOLOVSKIY, S.M.;
SOLDATOV, K.N.; VROMSKIY, L.M., vedushchiy red.; TROFIMOV, A.V.
tekhn. red.

[New equipment used in the petroleum industry; 1961] Novoe neftianoe oborudovanie; 1961 god. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 154 p. (MIRA 14:12) (Petroleum industry-Equipment and supplies)

SOLDATOV, Konstantin Nikitich; SVYATITSKAYA, K.P., ved. red.;
YAKOVLEVA, Z.I., tekhm. red.

[Pumps for pipelines for petroleum products; design, installation, and exploitation]Nasosy magistral'nykh nefteprodukto-provodov; konstruktsiia, montazh, ekspluatatsiia. Moskba, Gostoptekhizdat, 1962. 155 p. (MIHA 15:12)

(Petroleum-Pipelines) (Pumping machinery)

ABUZOV, Abdrakhman Goneeyvich; SOLDATOV, Konstantin Favlovich;
KO.:OL'KOV, I.I., red.

[Soviet of master workmen of a plant; practices of master
workmen at the "Elektrosila" Flant] Sovet masterov predprilatiia; iz opyta raboty s masteromi na zavode "Elektrosila" im.S.M.Kirova. Leningrad, 1964. 23 p.

(MIRA 18:1)

C NR. AP7004549	SOURCE CODE: UR/0374/66/000/004/049	18/0507
THOR: Soldatov, N	4. M.	
G: Moscow Physico	o-technical Institute (Moskovskiy fiziko-tekhnicheskiy instit	ut)
TLE: Nonlinear th	heory of visco-elasticity	
DURCE: Mekhanika p	polimerov, no. 4, 1966, 498-507	Ċ
OPIC TAGS: viscosi	ity, elasticity, material deformation, polymer physical prope	rty
Mekhanika Polimerov f polymer materials egions of small des eneral equations of	ults obtained in a study by A. A. Ilyushin and P. M. Ogibalov, no. 2, 1966) pertaining to the zone of inflexible behaviors whose visco-elastic properties are nonlinear even in the formations are generalized here for the purpose of deriving f visco-elasticity. Formulas are obtained for the resolvents bitrary order. General equations for the main quadratic theorem are derived. Orig. art. has: 21 formulas. [JPRS: 38,961]	ary .
JB CODE: 20,11 /	SUBM DATE: 22Feb66 / ORIG REF: 004 / OTH REF: 001	
		-
ard 1/1	UDC: 678:539.374	

Part 11 Study of intermediate compounds in the series Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> -Na<sub>2</sub>Se<sub>2</sub>O<sub>3</sub>. Zhur.neorg.khim. 2 no.6:1289-1293 Je '57. (MIRA 10:10)

1.pedagogicheskiy institut im. N.V. Gogolya.

(Sodium compounds)

SCLEATON, M.A., Cond Phys-Meth Sci — (diss) "Solution of, differentially-different equations with linear coefficients." For, Publishing House of the Acad Sci USSR, 1959. 7 pp (fin of Higher Education USSR. Mos Order of Lenin Power Engineering Inst. Char of Higher Technolics).

185 copies (YL, 37-59, 106)

sov/140-59-4-19/26 16(1) Soldatov, M.A. AUTHOR: Solution of Differential-Difference Equations With Linear TITLE: Coefficients Izvestya vysskikh uchebnykh zavedeniy. Matematika, 1959, PERIODICAL: Nr 4, pp 150 - 160 (USSR) The results obtained by the author in / Ref 1 7 are trans-ferred to the differential-difference equations ABSTRACT: (1)  $M[y(x)] = \sum_{i=0}^{n} \sum_{k=0}^{m} (a_{ik} x + b_{ik}) y^{(i)}(x + b_{k}) = 0$ where x is a complex variable, h are real differences,  $0 = h_0 < h_1 < \dots < h_m$ ,  $a_{ik}$ ,  $b_{ik}$  constant coefficients,  $a_{nm} = 0$ ,  $a_{no} \neq 0$ . Furthermore the author constructs a particular solution of the nonhomogeneous equation M[y] = F(x), Card 1/2 (2)

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Solution of Differential-Difference Equations With Linear Coefficients

SOV/140-59-4-19/26

where F(x) is analytic. The solution of the homogeneous equation is constructed as the sum of two functions as in the paper / Ref 2 / of A.A. Mirolyubov; for determining the solution of the inhomogeneous equation the auxiliary equation

 $M_{x}[y(x,\xi)] = \frac{1}{\xi-x}$  is investigated and the solution of (2)

is constructed from the solution of this auxiliary equation. The author thanks A.F. Leont'yev for the guidance of the paper.

There are 4 references, 3 of which are Soviet, and 1 French.

ASSOCIATION: Gor'kovskiy gosudarstvennyy universitet imeni N.I.

Lobachevskogo (Gor'kiy State University imeni N.I.Lobachevskiy)

SUBMITTED: March 31, 1958

Card 2/2

5

16(1) AUTHOR:

Soldatov, M.A. (Moscow)

507/39-47-2-4/6

TITLE:

Solution of Linear Difference Equations With Linear Coefficients (Resheniye lineynykh raznostnykh uravneniy s lineynymi koeffitsi-

yentami)

PERIODICAL:

Matematicheskiy sbornik, 1959, Vol 47, Nr 2, pp 221-236 (USSR)

ABSTRACT:

The author considers analytic solutions of the homogeneous difference equation

 $M[y(x)] = \sum_{k=0}^{m} (a_k x + b_k)y(x+b_k) = 0 ,$ 

where x is a complex variable and  $a_k$ ,  $b_k$  are constant coefficients, while it is  $0 = h_0 < h_1 < \dots < h_m$ . It is assumed that  $a_m = \dots = a_{s+1} = 0$ ,  $a_s \neq 0$ ,  $a_0 \neq 0$ . The system of the elementary solutions constructed by A.F. Leont'yev /Ref 2/ is not complete in this case (see A.A. Mirolyubov /Ref 1/). The author completes this first system by further solutions which are denoted as elementary solutions of second kind, and he shows that the system of solutions thus enlarged is complete.

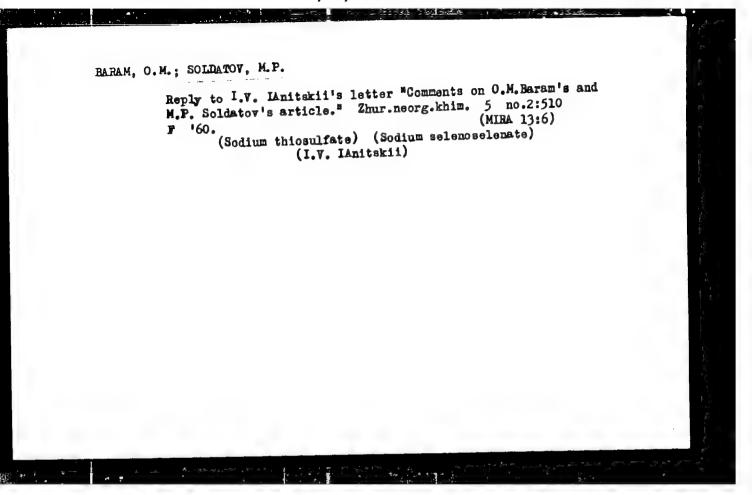
Card 1/2

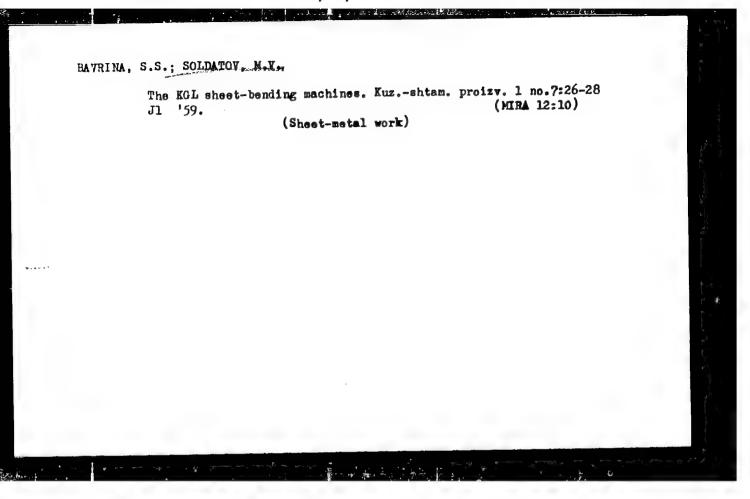
Solution of Linear Difference Equations With Linear SOV/39-47-2-4/6 Coefficients

Altogether there are proved five lemmata and four theorems. There are 3 references, 2 of which are Soviet, and 1 French.

SUBMITTED: June 29, 1957

Card 2/2





SCHDATOV, N.

"Caratuberculosis of Agricultural Animals and the Measures in the Fight against It" Chkalov, Chkalov Publishing House, 1952, 8 pages (Chkalov Chlast Administration of Agriculture, Administration of Agricultural Propaganga, Veterinary Department) Free. 2500 copies

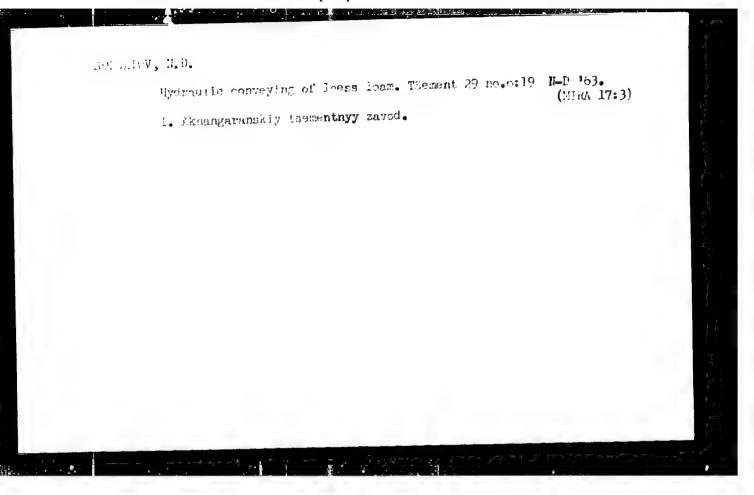
Veterinariya, Vol 30, No 3, 1953 (Tr.Con)

SOLDATOV, N.A.; KUDELYA, A.G. (Shostka)

Medical service for population, Vrach. delo no.8:102-104 Ag'63.

(MIRA 16:9)

1. Gorodskaya bol'nitsa No.1., Shostka.
(SHOSTKA...MEDICAL CARE)

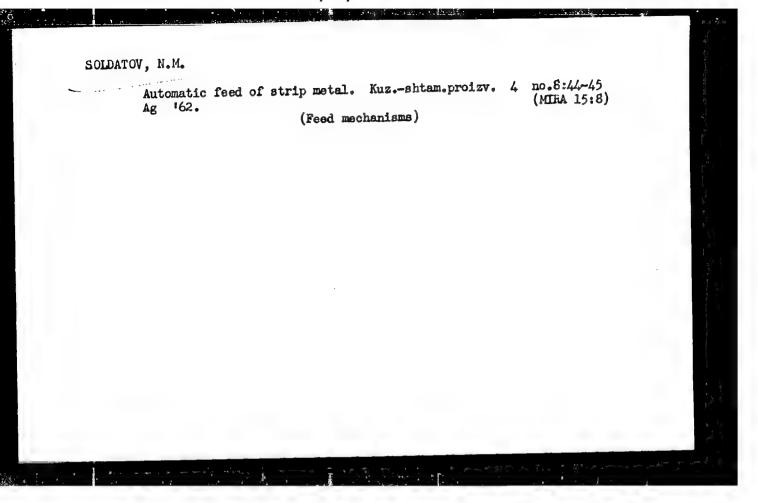


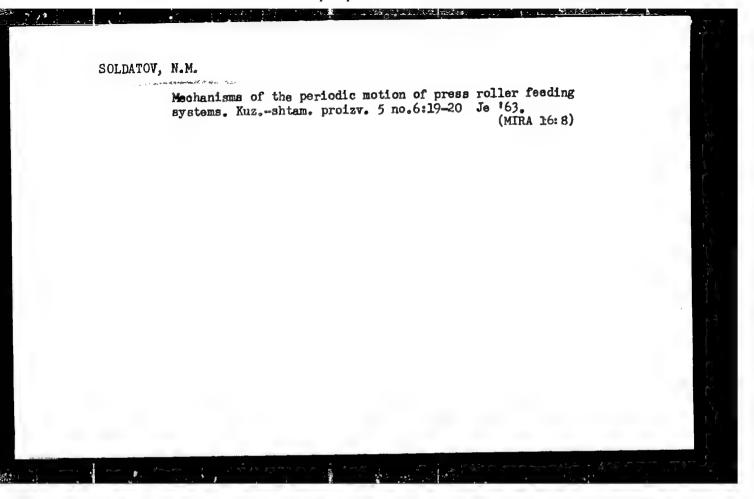
GNATKO, P.P., polkovnik meditsin:koy sluzhby; SOLDATOV, N.M., podpolkovnik meditsinskoy sluzhby

Conference of physicians of the Kiev Militery District. Voen.-med. (MIRA 14:8)

zhur. no.6:93-94 Je '61.

(KIEV-MEDICINE, MILITARY)

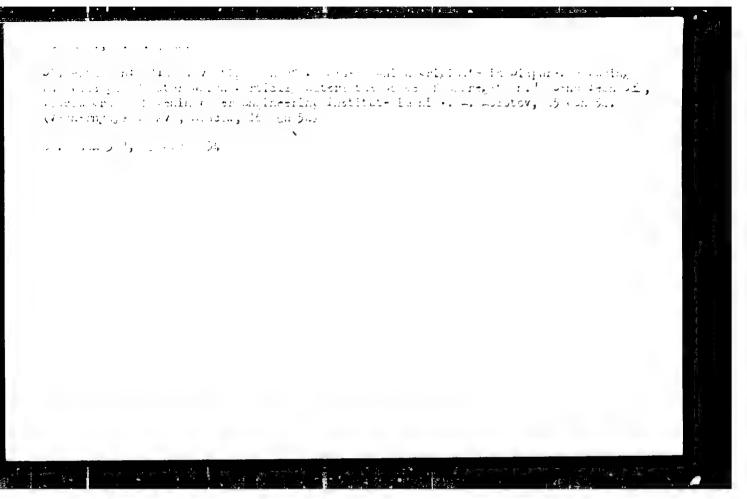




SOLDATOV, N.N.

"Outflow of Boiling Water from Small Openings." Thesis for degree of Cand. Technical Sci. sub 21 Nov 19, Al 1 Union Correspondence Polytechnical Inst.

Summary 82, 18 Dec. 52, Dissertations presented for degrees in science and engineering in moscow in 1949. From Vechernyaya Moskva, Jan-Dec. 1949.



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96-1-27/31

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AUTHOR: Soldatov, N.N. Candidate of Technical Sciences.

TITLE: Determination of the rlow of Boiling Water Through an Orifice (Opredeleniye raskhoda kipyashchey vody pri eye

istechenii cherez otverstiye)

PERIODICAL: Teploenergetika, 1958, Vol.5, No.1, pp. 88 - 89 (USSR).

ABSTRACT: When boiling water passes through an orifice, steam containing water particles forms in the orifice and in the steam-water emulsion beyond it. Formulae are derived for flow through an orifice in this case. Theoretical and experimental values are compared graphically in Fig. 2 and agreement is shown to be good. A comparison between the calculated and actual flows of water at a pressure of 6 atm. and saturation temperature is given in Fig. 3. Finally, a worked example is given. There are 3 figures.

AVAILABLE: Library of Congress.

Card 1/1

SOLDATOV, N. P., Cand Tech Sci (diss) -- "Some problems in computing the total linear strength of a ship hill in connection with the interaction of general local flexion". Leningrad, 1960. 18 pp (Leningrad Shipbuilding Inst), 250 copies (KL, No 14, 1960; 133)

ACC NR: AT7004016 (N) SOURCE CODE: UR/3239/66/000/002/0101/0106

AUTHOR: Soldatov, N. P.

ORG: None

TITLE: Graphs for approximate calculation of the effect which launching loads have on the bottom plates of a ship

SOURCE: Nikolayev, Korablestroitel'nyy institut. Sudostroyeniye i morskiye sooruzheniya, no. 2, 1966. Sudostroyeniye (Shipbuilding), 101-106

TOPIC TAGS: shipbuilding engineering, bending stress, stress distribution

ABSTRACT: Graphs are given for the bending moments and transverse forces in characteristic sections of the bottom plates of ships under the effect of two types of launching loads:  $Q_1$  uniformly distributed with respect to the length of the bottom, and  $Q_2$  varying according to a triangular law over half the length of the bottom. It was asssumed in calculations for these graphs that cross connections are rigidly fastened to the transverse bulkheads and divide the bottom plates into equal sections with respect to widths. The main girders were assumed to be identical, equidistant and freely supported at the sides with a constant moment of inertia. It was further assumed that the load is applied along two lines located the width of the bottom plates from the sides of the ship. Systems with 1, 3 and 5 cross connections were considered. The formulas used for determining the bending elements are given. Orig. art. has: 9 figures, 6 formulas.

SUB CODE: 13/ SUBM DATE: None/ ORIG REF: 001

Card 1/1

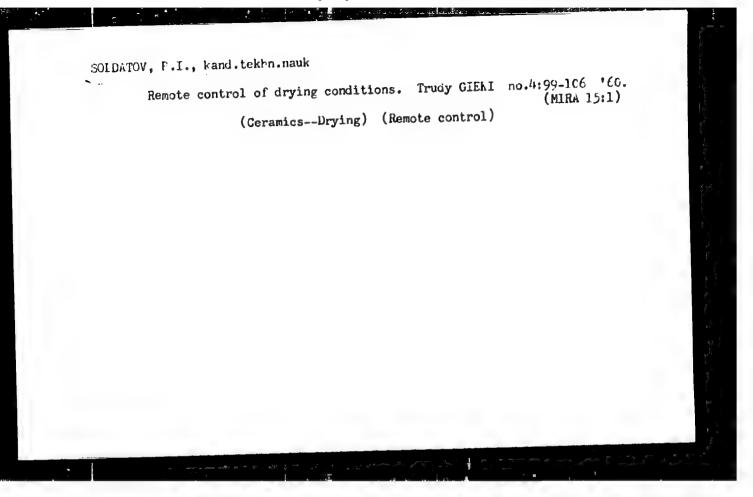
KARTASHOV, 1.P., kand.tekhn.nauk; SOIDATOV, O.N., assistent

Improve the technology of the machine milking of ocws.
Veterinariia 41 no.10:63-64 0 %. (MIRA 18:11)

1. Orenburgekiy sel'skckhozyaystvennyy institut.

Dissertation: "Investigation of the Process of Firing High-Voltage (Resisting) rorcelain with the "se of the Principle of Recirculation of Flue 6.ses." Cand Tech Sci, Moscow. Chemicotechnological Inst, Moscow, 1953. (Referativnyy Churnal--Khimiya, Moscow, No 6, Mar 54)

Sc: 3"": 243, 19 Oct 54



SOLDATOV, P.K.; KISILEVSKIY, V.L.; GREBENYUK, V.I.

Problem of sosinophilic granuloma of the cranium. Vop.neirokhir.

18 no.2:20-26 Mr-Ap '54. (MURA 7:5)

(CRANIUM, neoplasme, (BOSINOPHILIC GRANULOMA,

\*cosinophilic granuloma) \*cranium)

1. Iz I-y fakul'tetskoy khirurgicheskoy kliniki Voyenno-meditainskoy akademii imeni S.M.Kirova. (Postupila v redaktsiyu 23. IK.1953)

- 1. SOLDATOV. P. K
- 2. USSR (600)
- 4. Grapes
  7. White Big-Berry "Kishmish", a valuabel variety, Sad i og. no N '52.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

- 1. SOLDATOV, P. K.
- 2. USSR (600)
- 4. Fergana-Viticulture
- 7. Viticulture in Fergana Valley. Vin. SSSR 12 no. 11 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

#### "APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652210005-9 and the state of t

ugon/Colsinged Plants - Fruits, corries.

M.s. Jour : Ref Phre- Biol. No 10, 1958, 44-329

in thor : Soldatov, P.K.

: Uzbek Scientific Research Institute of Viticulture. 7.155

: On the Selection of Deviators in Grapes. 21120

: Vinodeliye i vinogradatva SSSR, 1956, No 7, 12-49 Ovin Pub

: A deviator of the White Kishmish grape - white Kishmish Abstract

bearing large berries was studied at the Uzbek Scientific Research Institute of Vibic Lture. A vegetative deviation of the black Kishmish grape was isolated in the vineyard of the collective form "Komsomol" in the Samarkandskaya oblast. Clusters were found which were twice the size of the ordinary black Kishmish and the burries were 2-3 times larger than the ordinary ones (the weight of 100 berries -

507 6; the weight of 100 berries on the control - 131 5).

Card 1/2

- 165 -

USBR/Cultivated Plants - Fruits. Berries.

н.

Abs Jour : Ref Thur - Biol., No 10, 1958, 44329

The berries were not of uniform shape. They had high saccharosity (21%) and high acidity (7.9-8 (1). On the experimental base of the Institute another form of the diviation from the black Kishmish was selected: clusters with large berries having high saccharosity (33%) were found. The berries were for the most part of spherical shape (in the ordinary black Kishmish the berries are oval). -- Yr. T. Zhukovskaya

Card 2/2

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APPROVED FOR RELEASE: 08/25/2000 \_\_\_CTA\_BBBS

SOLDATOV, P.K. Cand Agrae Sci -- (diss) " The blifect of the ecological fresh and day conditions on the yield production and the quality of grapes of the feed-partial of Accellate restriction of fresh and dehydrated grapes."

Samarkand, 1958. 19 pp (Uzbek Acad of Agr Sci. Tashkent Agr Inst). 200 copies.

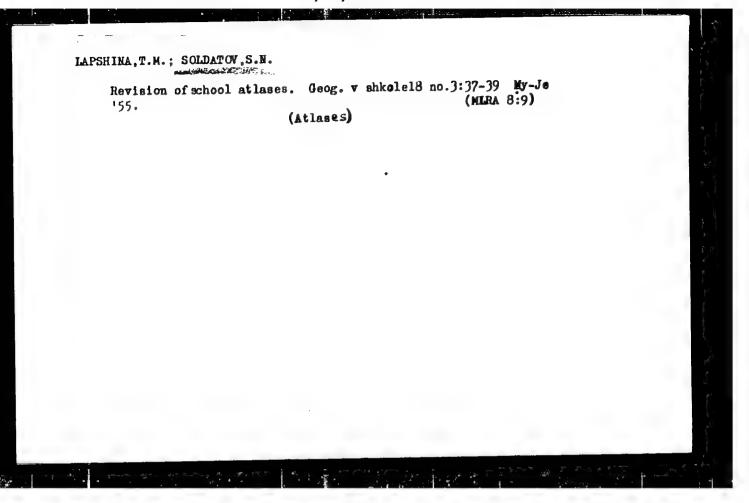
(KL, 37-58, 112.)

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MATSVIN, A.V.; CHEREVATENKO, A.S.; VASILIYEV, K.V.; PROTOSEVICH, L.A.; CHERIOVALOVA, V.F.; LEPLINSPAYA. A.A.: PAVLOV, A.K.; TASH ATOV, L.T.: CMIRNOV, P.K.; SOLDATOV, P.K.; KHAYDARKULOV, G.I.; TSEYTLIN, M.G., kand. sel'khoz.nauk; KUZNETSOV, V.V., kand. sel'khoz.nauk, otv. red.; KRIVOLOSOVA, N.A., red.; S)ROKINA, Z.I., tekhn. red. [Best fruit and grape varieties for drying and preserving in the southwestern regions of Uzbekistan] Luchshie sorta plodovykh i vinograda dlia sushki i konservirovanija v jugo-zapadnykh oblastiakh Uzbekistana. Tashkent, MSKh UzSSR, 1961. 162 p. (MIRA 15:7) 1. Institut sadovodstva i vinogradarstva im. R.R.Shredera. Samarkandskiy filial. 2. Samarkandskiy filial Instituta sadovodstva i vinogradarstva im. n.n. Shredera (for all except Kumnetsov, Krivonosova, Sorokina). (Uzbekistan - Fruit -- Varieties) (Uzbekistan-Grapes-Varieties)

BURLAKOV, N.Ya., inzh.; KAPLAN, G.A., inzhener-ekonomist; LISTENBURT, F.M., kand.geogr. nauk; SMOLYAR, I.M., kand. arkhitektury; SOLDATOV, S.I., kand. arkhitektury; SOLDATOV, S.I., kand. arkhitektury; KHMEL'NITSKIY, G.S., inzh.

Regional planning is necessary. Prom. stroi. 40 no.8:42-45 Ag (MIRA 16:8) 163. (Regional planning)



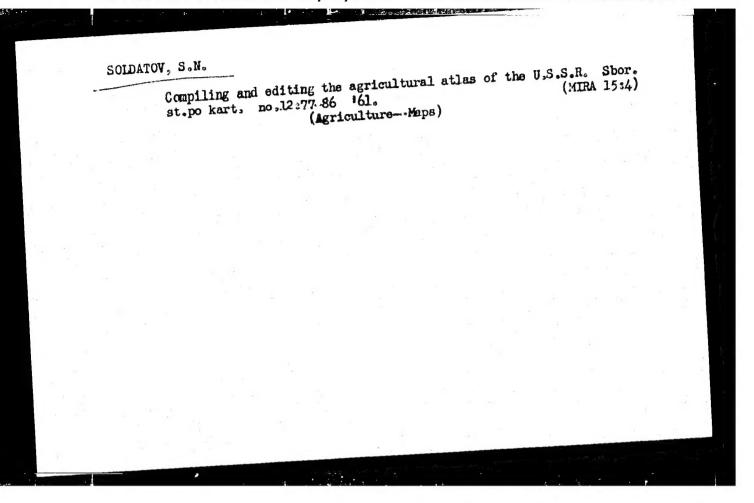
LAPSHINA, T.M.; SOLDATOV, S.N.; SUKHODREV, M.B.

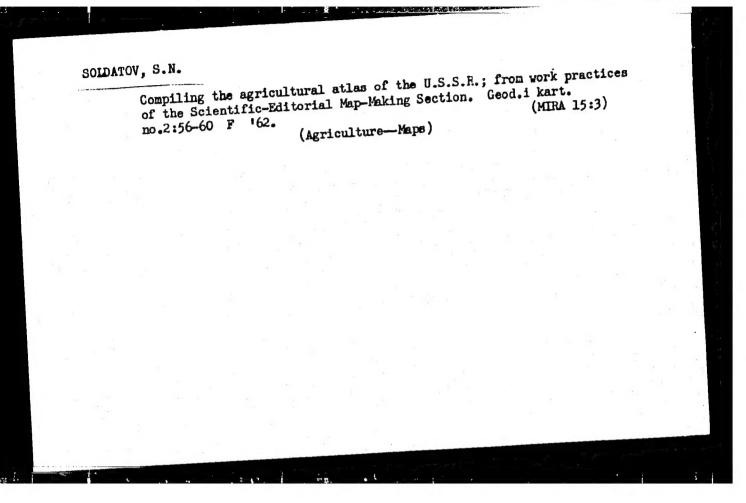
Representing settlements on school geography maps. Geod.i kart.
no.7:50-60 \$ '56. (MLRA 9:11)

(Cartography)

BASHLAVIN, V.A.; VOYNOVA, V.V.; SOLDATOV, S.N. red.; SHAMAROVA, T.A.
red.izd-va; ROMANOVA, V.V., tekhn.red.

[Editorial preparation of reference atlases used in general
geography] Redakteionnaia podgotowka spravochnykh obshchegeograficheskikh
geography] Redakteionnaia podgotowka spravochnykh obshchegeograficheskikh
galasov. Moskva, Izd-vo geodez. lit-ry, 1957. 79 p. (Leningraf,
atlasov. Moskva, Izd-vo geodez. lit-ry, 1957. 79 p. (Leningraf,
TSentral'nyi nauchno-issledovatel'kii institut geodezii, aeros"emki i
(MIRA 10:12)
kartografii. Truly, no.115)
(Atlases)





GRANKOV, Vasiliy Pavlovich; SOLDATOV, V.A., red.; PYATAKOVA, N.D., tekhn. red.

[Selective observation] Vyborochnoe nabliudenie. Izd.2., percr. i dop. Moskva, Gosstatizdat, 1963. 152 p. (MIRA 17:2)